

**General Characteristics of EHD Series  
Heavy Duty Direct Drive Exhaust Fan**

The EHD Series is totally enclosed and explosion proof motors and are direct driven.  
Made for industrial and commercial industries and can operate constantly.  
For indoor and ventilation use.  
The fans are shipped completely assembled.  
Construction is industrial heavy duty.  
Made with cast aluminum blades.  
Comes with 14 gauge steel panel with welded steel pipe bracing.  
Single phase motors are field convertible 115V/230V.  
Three phase motors are also field convertible 230V/460V.  
Motors are set to lower voltage at the factory, unless a request is made at the time of order to set to the higher voltage.  
Note: Products listed here are custom build and subject to 100% cancellation/restocking charges.  
Depth dimensions vary with motor selection.  
Options: CES shutters, EMF front guards, IBG rear guards, acid resistant coating, reversed air flow and/or flat front venturi.  
All options must be specified with quote and are quoted separately.

**Product Applications of EHD Series  
Heavy Duty Direct Drive Exhaust Fan**

Recommended for most industrial and commercial ventilation where hot stagnant air needs to be removed and an Explosion Proof motor is required.  
For Indoor use.  
CAUTION, WARNING: Although this product is supplied with an explosion proof motor and aluminum spark arresting fan blade, it is not intended to convey the suitability of the overall finished product in an explosive atmosphere, but only that the product has been supplied with certain components for this purpose. Wiring must be in accordance with local, state and national codes and be performed by a qualified electrician.

**Warranty of EHD Series Heavy Duty  
Direct Drive Exhaust Fan**

Manufacturer's Limited Warranty: 1 Year.





**Specific Characteristics of EHD Series Heavy Duty Direct Drive Exhaust Fan**

Item#	Manufacturing #	Blade Dia. (In.)	CFM 0" SP	Volts V	Amperes A	Phases Ph	HP	Hz	RPM	dB's @ 10'	Weight and Dimensions with packaging	
											Lbs.	L,W,H In.
USVRR-001	EHD12-1/4	12	1180	115/230	2.25/1.13	1	1/4	60	1725	74	37	13,18,18
USVRR-002	EHD12-1/4-3	12	1180	230/460	0.65/0.33	3	1/4	60	1725	74	37	13,18,18
USVRR-003	EHD16-1/4	16	1180	115/230	2.25/1.13	1	1/4	60	1725	75	47	13,22,22
USVRR-004	EHD16-1/4-3	16	2800	230/460	0.65/0.33	3	1/4	60	1725	75	47	13,22,22
Item#	Manufacturing #	Blade Dia. (In.)	CFM 0" SP	Volts V	Amperes A	Phases Ph	HP	Hz	RPM	dB's @ 10'	Weight and Dimensions with packaging	
USVRR-005	EHD18-1/3	18	3375	115/230	2.5/1.2	1	1/3	60	1725	75	62	15,24,24
USVRR-006	EHD18-1/3-3	18	3375	230/460	0.86/0.43	3	1/3	60	1725	75	62	15,24,24
USVRR-007	EHD18-1/2	18	4150	115/230	4.5/2.25	1	1/2	60	1725	76	62	15,24,24
USVRR-008	EHD18-1/2-3	18	4150	230/460	1.3/0.65	3	1/2	60	1725	76	62	15,24,24
USVRR-009	EHD20-1/4	20	3720	115/230	2.25/1.13	1	1/4	60	1725	75	62	15,26,26
USVRR-010	EHD20-1/4-3	20	3720	230/460	0.65/0.33	3	1/4	60	1725	75	62	15,26,26
USVRR-011	EHD20-1/2	20	4800	115/230	4.5/2.25	1	1/2	60	1725	76	67	15,26,26
USVRR-012	EHD20-1/2-3	20	4800	230/460	1.3/0.65	3	1/2	60	1725	76	67	15,26,26
USVRR-013	EHD20-1	20	6900	115/230	9.01/4.5	1	1	60	1725	77	72	15,26,26
USVRR-014	EHD20-1-3	20	6900	230/460	2.6/1.3	3	1	60	1725	77	72	15,26,26
USVRR-015	EHD24-1/4	24	5200	115/230	2.25/1.13	1	1/4	60	1725	82	137	17,32,32
USVRR-016	EHD24-1/4-3	24	5200	230/460	0.65/0.33	3	1/4	60	1725	82	137	17,32,32
USVRR-017	EHD24-1/3	24	4975	115/230	2.5/1.2	1	1/3	60	1150	75	147	17,32,32
USVRR-018	EHD24-1/3-3	24	4975	230/460	0.86/0.43	3	1/3	60	1150	75	147	17,32,32
USVRR-019	EHD24-1/2	24	6510	115/230	4.5/2.25	1	1/2	60	1725	82	142	17,32,32
USVRR-020	EHD24-1/2-3	24	6510	230/460	1.3/0.65	3	1/2	60	1725	82	142	17,32,32
USVRR-021	EHD24-3/4	24	6900	115/230	6.76/3.38	1	3/4	60	1725	83	147	17,32,32
USVRR-022	EHD24-3/4-3	24	6900	230/460	1.95/0.98	3	3/4	60	1725	83	147	17,32,32
USVRR-023	EHD24-1	24	7425	115/230	9.01/4.5	1	1	60	1725	83	157	17,32,32
USVRR-024	EHD24-1-3	24	7425	230/460	2.6/1.3	3	1	60	1725	83	157	17,32,32
USVRR-025	EHD24-2	24	9525	115/230	18.02/9.01	1	2	60	1725	83	167	17,32,32
USVRR-026	EHD24-2-3	24	9525	115/230	5.2/2.6	3	2	60	1725	83	167	17,32,32
USVRR-027	EHD24-3-3	24	10500	230/460	7.8/3.9	3	3	60	1725	85	172	17,32,32
USVRR-028	EHD30-1/3	30	6950	115/230	2.5/1.2	1	1/3	60	1150	79	147	17,38,38
USVRR-029	EHD30-1/3-3	30	6950	230/460	0.86/0.43	3	1/3	60	1150	79	147	17,38,38
USVRR-030	EHD30-1/2	30	8980	115/230	4.5/2.25	1	1/2	60	1725	89	137	17,38,38
USVRR-031	EHD30-1/2-3	30	8980	230/460	1.3/0.65	3	1/2	60	1725	89	137	17,38,38
USVRR-032	EHD30-3/4	30	10440	115/230	6.76/3.38	1	3/4	60	1150	79	177	17,38,38
USVRR-033	EHD30-3/4-3	30	10440	230/460	1.95/0.98	3	3/4	60	1150	79	177	17,38,38
USVRR-034	EHD30-1-3	30	10640	230/460	2.6/1.3	3	1	60	870	74	220	17,38,38
USVRR-035	EHD30-1 1/2	30	12000	115/230	13.51/6.76	1	1 1/2	60	1725	89	167	17,38,38
USVRR-036	EHD30-1 1/2-3	30	12000	230/460	3.9/1.95	3	1 1/2	60	1725	89	167	17,38,38
USVRR-037	EHD30-2-3	30	14000	230/460	5.2/2.6	3	2	60	1150	82	220	17,38,38
USVRR-038	EHD30-3-3	30	16000	230/460	7.8/3.9	3	3	60	1725	89	192	17,38,38
USVRR-039	EHD36-1	36	13600	115/230	9.01/4.5	1	1	60	1150	84	230	20,44,44
USVRR-040	EHD36-1-3	36	13600	230/460	2.6/1.3	3	1	60	1150	84	230	20,44,44
USVRR-041	EHD36-2-3	36	17620	230/460	5.2/2.6	3	2	60	1150	84	255	20,44,44
USVRR-042	EHD36-3-3	36	20500	230/460	7.8/3.9	3	3	60	1150	85	260	20,44,44
USVRR-043	EHD36-5-3	36	28000	230/460	13/6.5	3	5	60	1725	94	255	20,44,44
USVRR-044	EHD42-1-3	42	15800	230/460	2.6/1.3	3	1	60	870	82	305	20,50,50
USVRR-045	EHD42-2-3	42	17964	230/460	5.2/2.6	3	2	60	1150	88	265	20,50,50



**EHD Series  
 Heavy Duty Direct Drive  
 Exhaust Fans  
 Data Sheet**

<b>USVRR-046</b>	EHD42-3-3	42	24500	230/460	7.8/3.9	3	3	60	1150	88	275	20,50,50
<b>USVRR-047</b>	EHD42-5-3	42	28970	230/460	13/6.5	3	5	60	1150	88	290	20,50,50
<b>USVRR-048</b>	EHD48-3-3	48	28600	230/460	7.8/3.9	3	3	60	1150	92	295	22,56,56
<b>USVRR-049</b>	EHD48-5-3	48	32000	230/460	13/6.5	3	5	60	1150	94	310	22,56,56
<b>USVRR-050</b>	EHD60-3-3	60	45000	230/460	7.8/3.9	3	3	60	1150	97	710	24,68,68
<b>USVRR-051</b>	EHD60-5-3	60	45000	230/460	13/6.5	3	5	60	1150	97	740	24,68,68
<b>USVRR-052</b>	EHD60-7 1/2-3	60	47000	230/460	17.34/8.67	3	7 1/2	60	870	92	750	24,68,68
<b>USVRR-053</b>	EHD60-10-3	60	57200	230/460	23.12/11.56	3	10	60	870	93	760	24,68,68

**Dimensions (In.) of EHD Series Heavy Duty Direct Drive Exhaust Fan**

Series	Length A	Width B	Height C
USVRR-001 & 002	11"	16"	16"
USVRR-003 & 004	11"	20"	20"
USVRR-005 to 008	13"	22"	22"
USVRR-009 to 014	13"	24"	24"
USVRR-015 to 027	15"	30"	30"
USVRR-028 to 038	15"	36"	36"
USVRR-039 to 043	18"	42"	42"
USVRR-044 to 047	18"	48"	48"
USVRR-048 & 049	20"	54"	54"
USVRR-050 to 053	22"	66"	66"

